

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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1/11

10	30	50
CGCCCGAGCCGCCGCTCCAAGCCCCGAGCTTCCGGGACCAATGAACAAGTTGCTG		
		<u>M N K L L</u>
70	90	110
TGCTGCCGCGCTCGTCTGGACATCTCCATTAAAGTGGACCACCCAGGAAACGTTCTC		
C C A L V F L D I S I K W T T O E T F P		
130	150	170
CCAAACTACCTTCATTATGACGAAGAACCTCTCATCAGCTGTTGTGACAAATGTC		
P K Y L H Y D E E T S H Q L L C D K C P		
190	210	230
CCTGCTACCTACCTAAAACAACACTGTACAGCAAAGTGGAAAGACCGTGTGCGCCCTTG		
P G T Y L K Q H C T A K W K T V C A P C		
250	270	290
CCTGACCACTACTACACAGACAGCTGGCACACCAGTGGACTGTCTATACTGCAGCCCC		
P D H Y Y T D S W H T S D E C L Y C S P		
310	330	350
GTGTGCAAGGAGCTGCAGTACGTCAAGCAGGAGTGGCAATCCGACCCACAACCCGCTGTG		
V C K E L Q Y V K Q E C N R T H N R V C		
370	390	410
GAATGCAAGGAAGGGCCTACCTTGACATAGAGTTGCTGAAACATAGGAGCTGCC		
E C K E G R Y L E I E F C L K H R S C P		
430	450	470
CCTGGATTTGGAGTGCTGCAAGCTGGAACCCCAGAGCAAATACAGTTGCAAAGATGT		
P G F G V V Q A G T P E R N T V C K R C		
490	510	530
CCAGATGGTTCTCTCAAATGAGACGTATCTAAAGCACCTGTAGAAAACACACAAAT		
P D G F F S N E T S S K A P C R K H T N		
550	570	590
TCCAGTGTCTTGCTCCTGCTAACTCAGAAAGGAAATGCAACACACGACAACATATGT		
C S V F G L L T Q K G N A T H D N I C		
610	630	650
TCCGGAAACACTGAATCAACTCAAAATGTGGAAATAGATGTTACCTGTGAGGAGGCA		
S G N S E S T Q K C G I D V T L C E E A		
670	690	710
TTCTTCAGGTTGCTGTCCTACAAAGTTACGCCATACTGGCTTAGTGTCTGGTAGAC		
F F R F A V P T K F T P N W L S V L V D		
730	750	770
AATTGCGCTGCCACCAAGTAAACCCAGAGAGTGTAGAGAGGATAAAACGGCAACACAGC		
N L P G T K V N A E S V E R I K R Q H S		
790	810	830
TCACAAAGAACAGACTTTCCAGCTGCTGAAGTTATGAAACATCAAAACAAAGACCAAGAT		
S Q E Q T F Q L L K L W K H Q N K D Q D		

FIG.1A

APPROVED	D.G. FIG.	
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Appl. No. 09/526,437; Filed: March 15, 2000
 Dkt. No. 1488.0710005; Group Art Unit: 1647
 Inventor(s): Greene *et al.*; Tel: 202/371-2600
 Title: Antibodies to Human Tumor Necrosis Factor Receptor-Like Genes

2/11

850	870	890																			
ATAGTCAAGAAGATCATCCAACATATTGACCTCTGTGAAAACAGCGTCAGGGCACATT																					
I	V	K	K	I	I	Q	D	I	D	L	C	E	N	S	V	Q	R	H	I		
910																					950
GGACATGCTAACCTCACCTTCGAGCAGCTTCGTTGATGGAAAGCTTACCGGGAAAG																					
G	H	A	N	L	T	F	E	Q	L	R	S	L	M	E	S	L	P	G	K		
970																				1010	
AAAGTGGGAGCAGAAGACATTGAAAAACAATAAGGCATGCAAACCCAGTGACCAGATC																					
K	V	G	A	E	D	I	E	K	T	I	K	A	C	K	P	S	D	Q	I		
1030																				1070	
CTGAAGCTGCTCAGTTGTGGGAATAAAAATGGCGACCAAGACACCTTGAAGGGCTA																					
L	K	L	L	S	L	W	R	I	K	N	G	D	Q	D	T	L	K	G	L		
1090																				1130	
ATGCACGCCACTAAAGCACTCAAAGACGTACCACTTCCCAAAATGTCACTCAGAGTCTA																					

FIG.1A1

APPLICANT	O.G. FIG.	
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3/11

M	H	A	L	K	H	S	K	T	Y	H	F	P	K	T	V	T	Q	S	L	
1150										1170									1190	
AAGAAGACCATCAGGTTCTCACAGCTTACAATGTACAAATTGTATCAGAAGTTATT																				
K	K	T	I	R	F	L	H	S	F	T	M	Y	K	L	Y	Q	K	L	F	
1210										1230									1250	
TTAGAAATGATAGTAACCAGGTCCAATCAGTAAAAATAAGCTGCTTATAACTGGAAATG																				
L	E	M	I	G	N	Q	V	Q	S	V	K	I	S	C	L	*				
1270									1290									1310		
GCCATTGAGCTGTTCTCACAAATTGGCGAGATCCCATGGATGAGTAAACTGTTCTCAG																				
1330									1350									1370		
GCACTGAGGCTTCAGTGATATCTTCTCATTACCACTGACTAATTTGCCACAGGGTA																				
1390									1410									1430		
CTAAAAGAAACTATGATGTCAGATCTGGATCGTTATCTACTGACTATATTTCCCTTATTACTGCTT																				
1450									1470									1490		
TAATCCAATGTCAGATCTGGATCGTTATCTACTGACTATATTTCCCTTATTACTGCTT																				
1510																				
GCACTAATTCAACTGGAAAAAAAAAA																				

FIG.1B

APPROVED	O.G. FIG.	
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4/11

10	30	50
ATGAAACAAGTTCTGTGCGCCGCTCGTGTTCGGACATCTCCATTAACTGGACCACC		
M N K L L C C A L V F L D I S I K W T T		
70	90	110
CAGGAAACGTTCCCTCCAAACTACCTTCATTATGACGAAGAACCTCTCATCAGCTGTC		
Q E T F P P K Y L H Y D E E T S H Q L L		
130	150	170
TGTGACAAATGTCCTCCTGGTACCTACCTAAAACAACACTGTACAGCAAAGTCCAAGACC		
C D K C P P G T Y L K Q H C T A K W K T		
190	210	230
GTGTGCCGCCCTGCCCTGACCACTACTACACAGACAGCTGGCACACCAAGTGACGAGTGT		
V C A P C P D H Y Y T D S W H T S D E C		
250	270	290
CTATACTGCAGCCCCGTGCAAGGAGCTGCAGTACGTCAAGCAGGAGTGCAATCGCACC		
L Y C S P V C K E L Q Y V K Q E C N R T		
310	330	350
CACAACCGCGTGTGCAATGCAAGGAAGGGCGTACCTTGAGATAGAGTTCTGCTTGAAA		
H N R V C E C K E G R Y L E I E F C L K		
370	390	410
CATAGGAGCTGCCCTCTGGATTGGAGCTGGTCAAGCTGGAACCCCCAGAGCGAAATACA		
H R S C P P G F G V V Q A G T P E R N T		
430	450	470
GTTTCCAAAAGATGTCCAGATGGGTTCTCTCAAATGAGACGTCACTAAAGCACCCGT		
V C K R C P D G F F S N E T S S K A P C		
490	510	530
AGAAAACACACAAATTGCACTGTCTTGGTCTCTGCTAACTCAGAAAGGAAATGCAACA		
R K H T N C S V F G L L L T Q K G N A T		
550	570	590
CACGACAACATATGTCGGAAACAGTGAATCAACTCAAAATGTGGAATAGATGTTACC		
H D N I C S G N S E S T Q K C G I D V T		
610	630	650
CTGTGTGAGGAGGCATTCTCAGGTTGCTGTTCTACAAAGTTACGCCCTAAGTGGCTT		
L C E E A F F R F A V P T K F T P N W L		
670	690	710
AGTGTCTTGGTAGACAATTGGCTGGCACCAAAGTAACCGCAGAGACTGTAGAGAGGATA		
S V L V D N L P G T K V N A E S V E R I		
730	750	770
AAACGGCAACACAGCTCACAGAACAGACTTCCAGCTGCTGAAGTTATGAAACATCAA		
K R Q H S S Q E Q T F Q L L K L W K H Q		
790	810	830
AACAAAGCCAAGATATAGTCAAGAAGATCATCCAAGATATTGACCTCTGTGAAAACAGC		
N K D Q D I V K K I I Q D I D L C E N S		

FIG.2A

APPROV'D	O.G. FIG.
BY	
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5/11

850	870	890
GTGCAGCGGCACATTGGACATGCTAACCTCACCTTCGAGCAGCTCGTAGCTTGATGGAA		
V Q R H I G H A N L T F E Q L R S L M E		
910	930	950
AGCTTACCGGGAAAGAAAAGCTGGGAGCAGAACATTGAAAAAACAATAAAGGCATGCCAA		
S L P G K K V G A E D I E K T I K A C K		
970	990	1010
CCCAGTGACCAGATCCTGAACCTGCTCAGTTGTGGCGAATAAAAATGGCGACCAAGAC		
P S D Q I L K L L S L W R I K N G D Q D		
1030	1050	1070
ACCTTGAAGGGCCTAATGCACCGACTAAAGCACTCAAAGACGTACCACTTCCAAA		
T L K G L M H A L K H S K T Y H F P K T		
1090	1110	1130
GTCACTCAGAGTCTAAAGAACCATCAGGTTCCCTCACAGCTTCACAATGTACAAATTG		
V T Q S L K K T I R F L H S F T M Y K L		
1150	1170	

FIG.2A1

TATCAGAAGTTATTTAGAAATGATAGTAATCTAGAAAAGATCTAA
 Y Q K L F L E M I G N L E K I

FIG.2B

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6/11

FIG. 3

APPROVING BY	O.G. FIG.	
DRAFTSMAN	CLASS	SUBCLASS

7/11

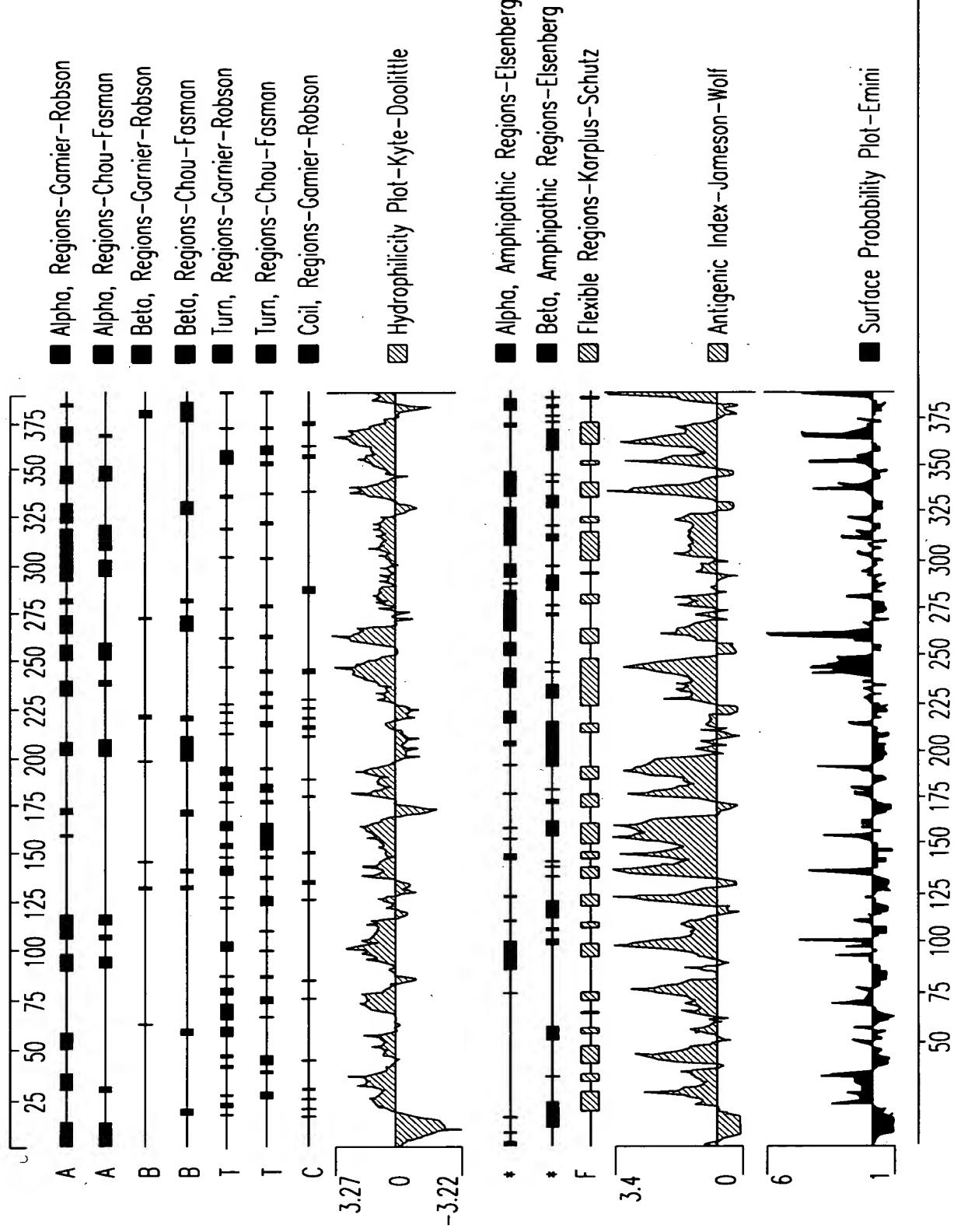


FIG. 4

APPROVED	D.G. FIG.	
BY	CLASS	SUBCLASS
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Appl. No. 09/526,437; Filed: March 15, 2000
 Dkt. No. 1488.0710005; Group Art Unit: 1647
 Inventor(s): Greene *et al.*; Tel: 202/371-2600
 Title: Antibodies to Human Tumor Necrosis Factor Receptor-Like Genes

8/11

GOAT ANTI-HUMAN sTNFR I HAS CROSS-REACTIVITY
 TO HSABH13

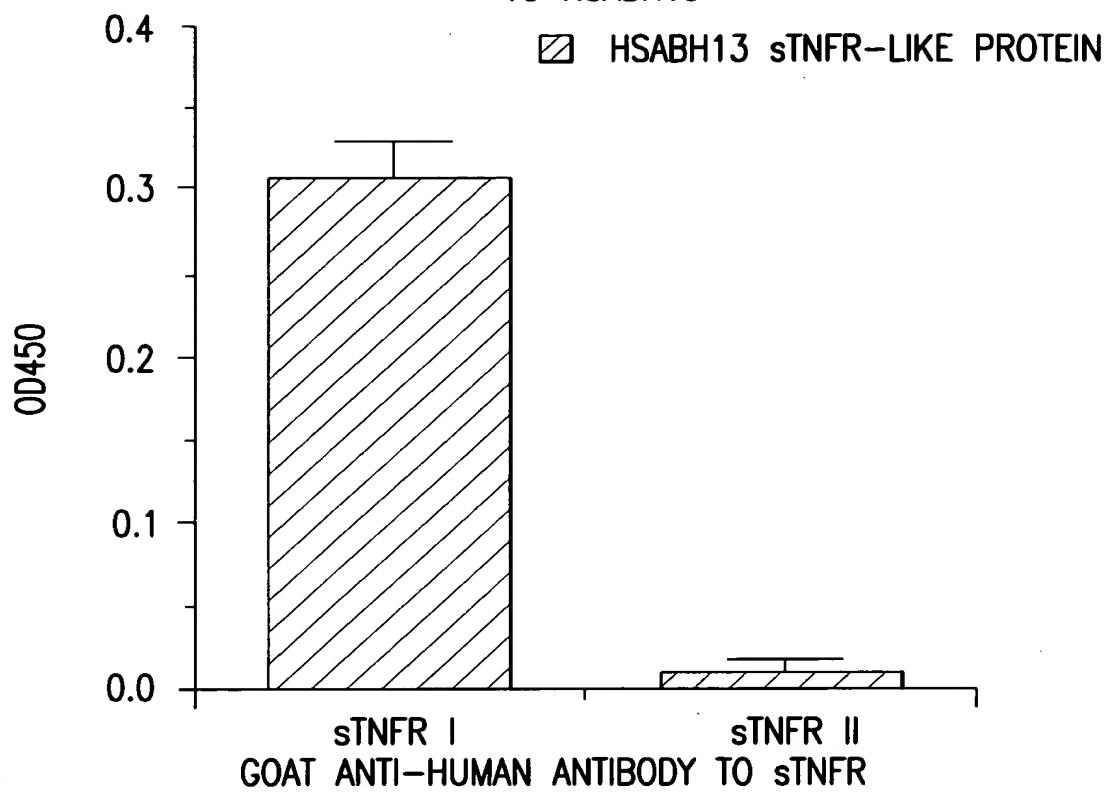


FIG.5

APPENDIX C	O.G. FIG.	
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9/11

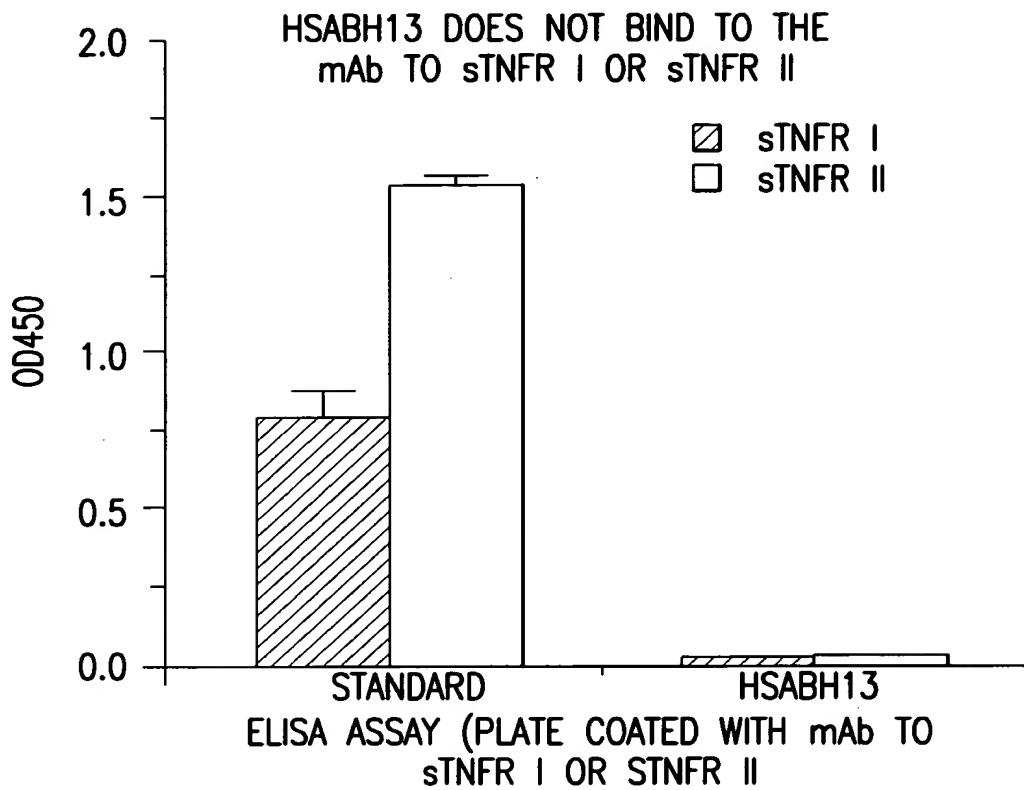


FIG.6

TNF-BETA HAS HIGHER AFFINITY TO HSAHAB13 THAN TNF-ALPHA, AND HUVE019 DOES NOT INHIBIT THE BINDING

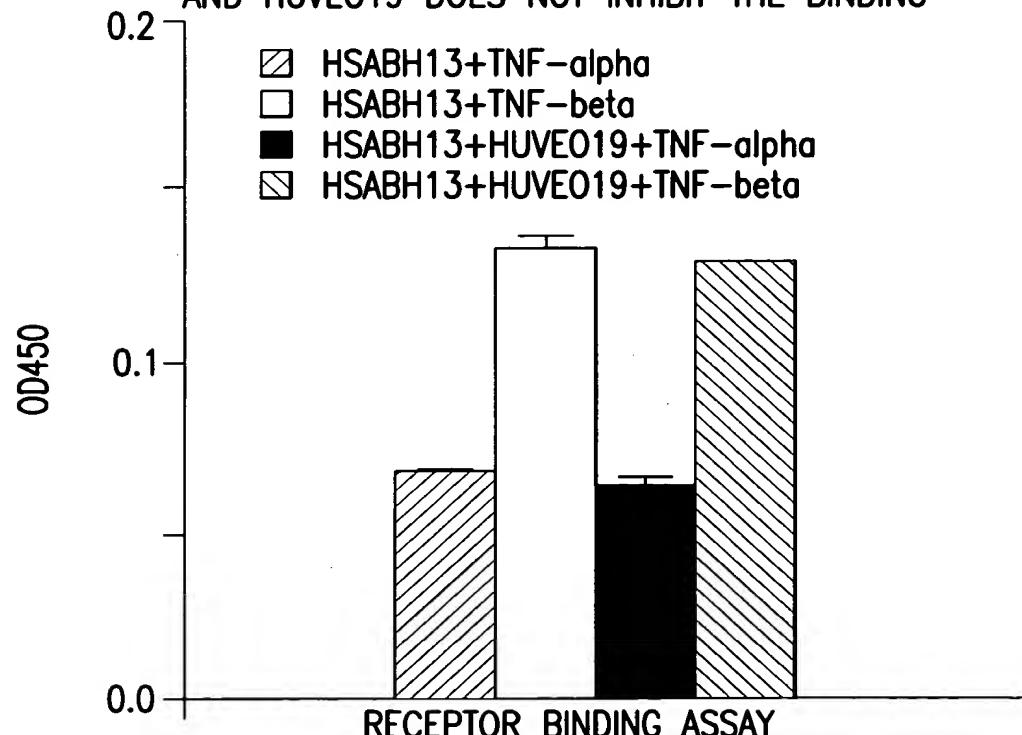
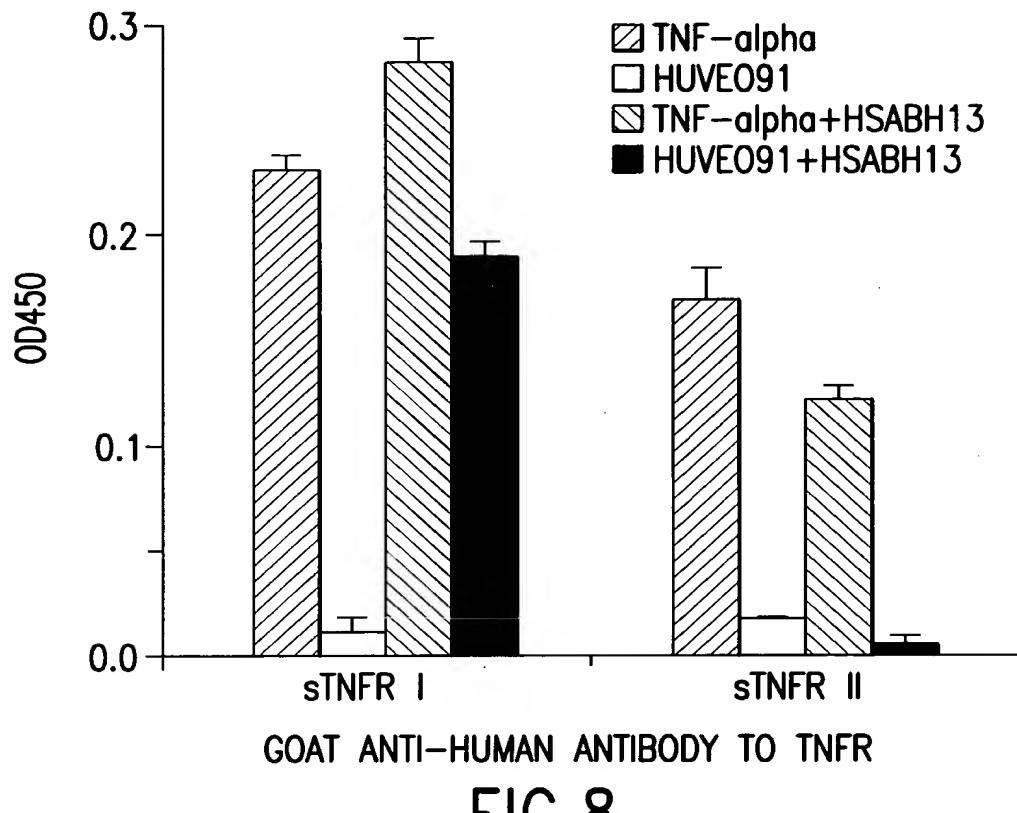


FIG.7

APPROVED	O.G. FIG.	
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10/11

**HSABH13 DOES NOT COMPETE WITH sTNFR I TO BIND TNF-ALPHA,
 MAY COMPETE WITH sTNFR II TO BIND TNF-ALPHA**



GOAT ANTI-HUMAN ANTIBODY TO TNFR

FIG.8

APPROV	O.G. FIG.	
BY	CLASS	SUBCLASS
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11/11

TITER OF RABBIT #11509 TESTED AGAINST TNFr BATCH HG02900-1-B

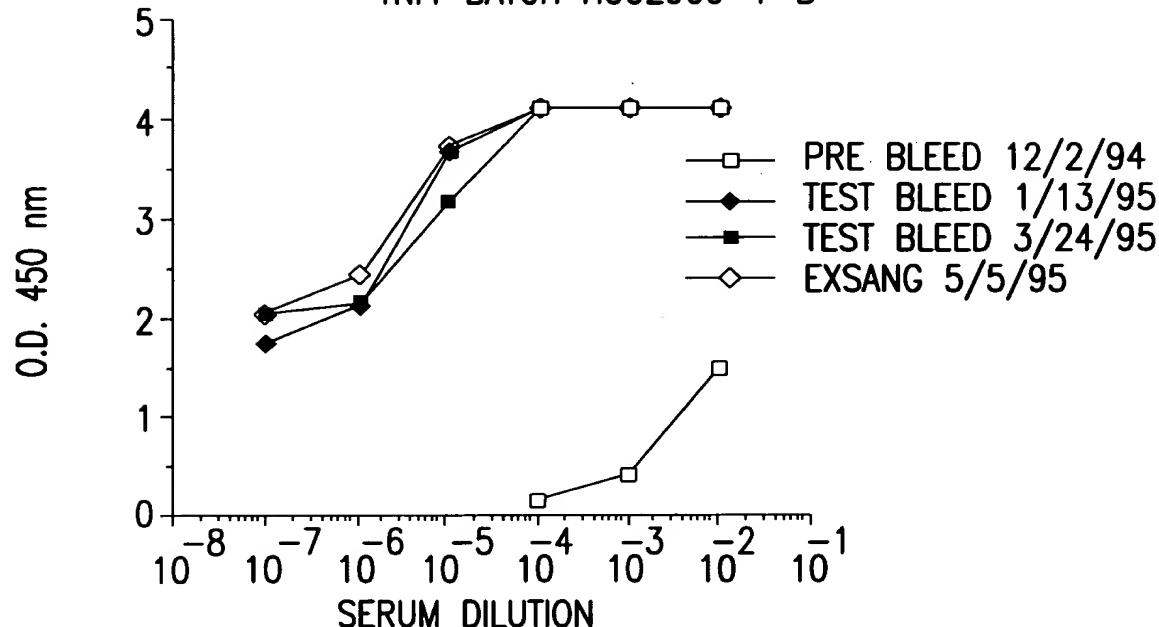


FIG.9A

TITER OF RABBIT #11508 TESTED AGAINST TNFr BATCH HG02900-1-B

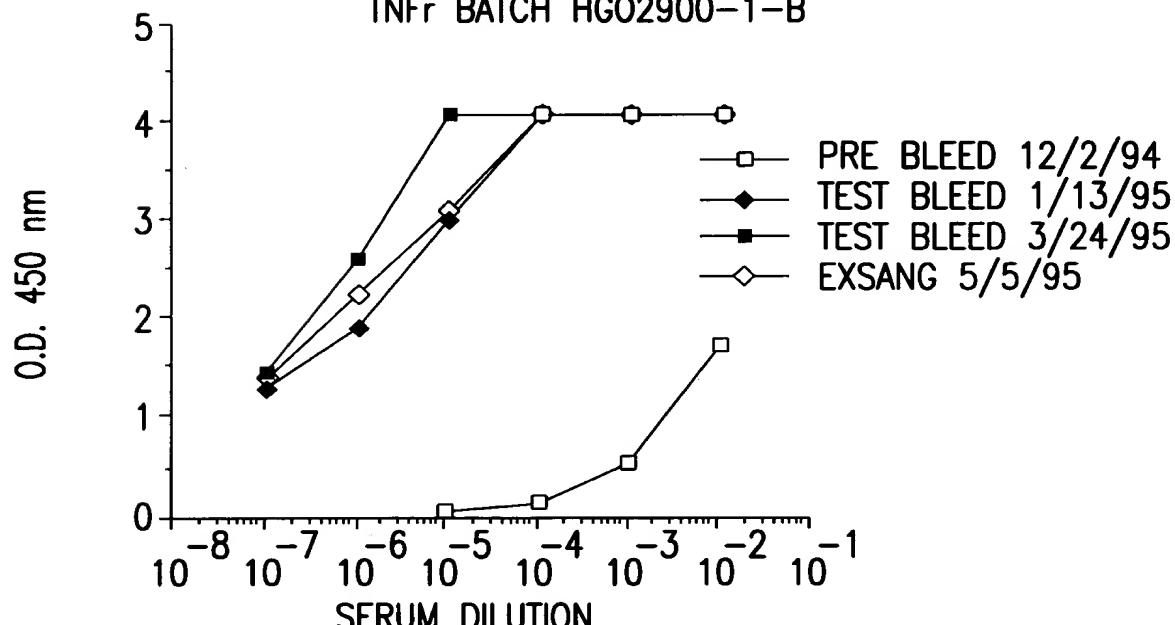


FIG.9B